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	Type	L #	Hits	Search Text	DBs
1	BRS	L1	1049	(345/690 or 345/691 or 345/692 or 345/693 or 345/204).ccls.	USPAT
2	BRS	L2	268	1 and (plasma or pdp)	USPAT
3	BRS	L3	103	2 and (sustain or sustaining)	USPAT
4	BRS	L4	1191	345/60 or 345/63 or 345/68 or 345/169.4	USPAT
5	BRS	L5	1189	(345/60 or 345/63 or 345/68 or 315/169.4).ccls.	USPAT
6	BRS	L7	769	6 and (intensity or luminus or luminance or brightness)	USPAT
7	BRS	L8	172	7 and (linear or nonlinear or non-linear)	USPAT
8	BRS	L9	11	7 and (geometrical or antigeometrical or anti-geometrical or non-geometrical)	USPAT
9	BRS	L10	180	8 or 9	USPAT
10	BRS	L11	8	10 and (subframe or sub-frame)	USPAT
11	BRS	L12	172	10 not 11	USPAT
12	BRS	L13	74	12 and ratio	USPAT
13	BRS	L14	98	12 not 13	USPAT
14	BRS	L15	589	7 not 10	USPAT
15	BRS	L16	267	15 and ratio	USPAT
16	BRS	L17	190	16 and (sustain or sustaining)	USPAT
17	BRS	L18	271	6 and (subframe or sub-frame or (sub adj frame) or subfield or sub-field or (sub adj field))	USPAT
18	BRS	L19	229	18 not 10	USPAT
19	BRS	L20	208	19 and (sustain or sustaining or (light adj emitting adj pulse))	USPAT
20	BRS	L21	18	6 and progression	USPAT
21	BRS	L22	238	6 and proportional	USPAT
22	BRS	L23	51	6 and (nonlinear or non-linear)	USPAT
23	BRS	L24	172	6 and weight	USPAT
24	BRS	L6	1219	5 or 3	USPAT

Hits

Details

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Start

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09/930,303

EAST - [Untitled1:1]

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Drafts
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L1: (13530) fujitsu\$.as.
 L2: (160) 1 and (geometric
 L3: (1841) 1 and (linear o
 L4: (1942) 2 or 3
 L5: (93) 4 and (345/\$.ccls

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	Type	L #	Hits	Search Text
1	BRS	L1	13530	fujitsu\$.as.
2	BRS	L2	160	1 and (geometrical or antigeometrical)
3	BRS	L3	1841	1 and (linear or nonlinear)
4	BRS	L4	1942	2 or 3
5	BRS	L5	93	4 and (345/\$.ccls. or 315/169.4.ccls.)
6	BRS	L6	44	5 and (ratio or progression)
7	BRS	L7	12	6 and sustain
8	BRS	L8	1	2 and sustain
9	BRS	L9	0	5 and (brightness or luminus)
10	BRS	L10	32	5 and (brightness or luminus)
11	BRS	L11	42	5 and (brightness or luminus or luminance)
12	BRS	L12	10	("5943032").repn,rlpn,bi,uref,oref.
13	IS&R	L13	6	((("5745086") or ("6037917") or ("6097358") or ("5343215") or ("5874932") or ("5936355")).PN.

Hits Details HTML

Start EAST - [Untitled1:1]

09/938,303

EAST - [Untitled1:1]

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Drafts
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☒ L1: (5104) (s
☒ L2: (6) 1 and
☒ L3: (2) 1 and
☒ L4: (158) 1 a
☒ L5: (3) 1 and
☒ L6: (18) 1 an
☒ L7: (181) 2 o
☒ L8: (82) 7

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1	BRS	L1	5104	(subfield or subframe or (sub adj field))	EPO; JPO; DERWENT; IBM_TDB
2	BRS	L2	6	1 and (geometrical or antigeometrical)	EPO; JPO; DERWENT; IBM_TDB
3	BRS	L3	2	1 and nonlinear	EPO; JPO; DERWENT; IBM_TDB
4	BRS	L4	158	1 and ratio	EPO; JPO; DERWENT; IBM_TDB
5	BRS	L5	3	1 and (progression or propotional)	EPO; JPO; DERWENT; IBM_TDB
6	BRS	L6	18	1 and (progression or proportional)	EPO; JPO; DERWENT; IBM_TDB
7	BRS	L7	181	2 or 3 or 4 or 5 or 6	EPO; JPO; DERWENT; IBM_TDB
8	BRS	L8	82	7 and (brightness or intensity or luminance or lumens)	EPO; JPO; DERWENT; IBM_TDB

09/938,303

	Type	L #	Hits	Search Text	D	Time Stamp	Comm
1	BRS	L1	183	("4378556" or "4414544" or "4818982" or "5155414" or "5231382" or "5298893" or "5315695" or "5317334" or "5408226" or "5475448" or "5489918" or "5541618" or "5583527" or "5724054").repn,rlpn,bi,uref,oref.	U S P A T	2003/05/16 08:12	
2	BRS	L2	14	("4378556" or "4414544" or "4818982" or "5155414" or "5231382" or "5298893" or "5315695" or "5317334" or "5408226" or "5475448" or "5489918" or "5541618" or "5583527" or "5724054").pn.	U S P A T	2003/05/16 08:12	
3	BRS	L3	181	1 not 2	U S P A T	2003/05/16 08:16	
4	BRS	L4	1682	(345/60 or 345/63 or 345/68 or 345/690 or 345/691 or 345/692 or 345/693 or 315/169.4).ccls.	U S P A T	2003/05/16 08:17	
5	BRS	L5	1567	4 not 1	U S P A T	2003/05/16 08:18	
6	BRS	L6	946	5 and (brightness or gray or linear)	U S P A T	2003/05/16 08:21	
7	BRS	L7	375	6 and ratio	U S P A T	2003/05/16 08:23	
8	BRS	L8	403	4 and (subframe or subframe or sub)	U S P A T	2003/05/16 08:24	
9	BRS	L9	347	8 and (intensity or luminus or luminance or brightness)	U S P A T	2003/05/16 08:25	
10	BRS	L10	277	9 and (plasma or pdp)	U S P A T	2003/05/16 08:26	
11	BRS	L11	62	10 and (linear or nonlinear or non-linear)	U S P A T	2003/05/16 08:27	

3/39/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
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12370232

Basic Patent (No,Kind,Date): EP 653740 A2 19950517 <No. of Patents: 011>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
DE 69424122	C0	20000531	DE 69424122	A	19940131
DE 69424122	T2	20010201	DE 69424122	A	19940131
EP 653740	A2	19950517	EP 94300695	A	19940131 (BASIC)
EP 887785	A2	19981230	EP 98203252	A	19940131
EP 653740	A3	19960626	EP 94300695	A	19940131
EP 887785	A3	20000329	EP 98203252	A	19940131
EP 653740	B1	20000426	EP 94300695	A	19940131
JP 7140928	A2	19950602	JP 93288345	A	19931117
JP 2856241	B2	19990210	JP 93288345	A	19931117
KR 9700911	B1	19970121	KR 941769	A	19940131
US 5943032	A	19990824	US 488201	A	19950607

Priority Data (No,Kind,Date):

JP 93288345 A 19931117
EP 94300695 A3 19940131
US 488201 A 19950607
US 188772 B2 19940131

PATENT FAMILY:

GERMANY (DE)

Patent (No,Kind,Date): DE 69424122 C0 20000531

GRAUSTUFENSTEUERUNG FUER PLASMA-ANZEIGEVORRICHTUNGEN (German)

Patent Assignee: FUJITSU LTD (JP)

Author (Inventor): NAGAOKA KEISHIN (JP); TAJIMA MASAYA (JP); AWATA YOSHIMASA (JP); KANAZAWA YOSHIKAZU (JP); UEDA TOSHIO (JP)

Priority (No,Kind,Date): JP 93288345 A 19931117

Applic (No,Kind,Date): DE 69424122 A 19940131

IPC: * G09G-003/28

Derwent WPI Acc No: * G 95-180899; G 99-048154

Language of Document: German

Patent (No,Kind,Date): DE 69424122 T2 20010201

GRAUSTUFENSTEUERUNG FUER PLASMA-ANZEIGEVORRICHTUNGEN (German)

Patent Assignee: FUJITSU LTD (JP)

Author (Inventor): NAGAOKA KEISHIN (JP); TAJIMA MASAYA (JP); AWATA YOSHIMASA (JP); KANAZAWA YOSHIKAZU (JP); UEDA TOSHIO (JP)

Priority (No,Kind,Date): JP 93288345 A 19931117

Applic (No,Kind,Date): DE 69424122 A 19940131

IPC: * G09G-003/28

Derwent WPI Acc No: * G 95-180899; G 99-048154

Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 69424122 P 20000531 DE REF CORRESPONDS TO (ENTSPRICHT)

DE 69424122 P 20010201 DE 8373 TRANSLATION OF PATENT
DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND
HAS BEEN PUBLISHED (UEBERSETZUNG DER
PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST
EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

DE 69424122 P 20010517 DE 8364 NO OPPOSITION DURING TERM OF
OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE
DASS EINSPRUCH ERHOBEN WURDE)

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 653740 A2 19950517

CONTROLLING THE GRAY SCALE OF PLASMA DISPLAY DEVICES. (English; French;
German)

Patent Assignee: FUJITSU LTD (JP)

Author (Inventor): NAGAOKA KEISHIN C O FUJITSU LI (JP); TAJIMA MASAYA

C O FUJITSU LI (JP); AWATA YOSHIMASA C O FUJITSU LI (JP);
KANAZAWA YOSHIKAZU C O FUJITSU (JP); UEDA TOSHIO C O FUJITSU LIMITE
(JP)

Priority (No,Kind,Date): JP 93288345 A 19931117

Applic (No,Kind,Date): EP 94300695 A 19940131

Designated States: (National) DE; FR; GB

IPC: * G09G-003/28

Derwent WPI Acc No: * G 95-180899; G 95-180899

Language of Document: English

Patent (No,Kind,Date): EP 887785 A2 19981230

CONTROLLING THE GRAY SCALE OF PLASMA DISPLAY DEVICES (English; French;
German)

Patent Assignee: FUJITSU LTD (JP)

Author (Inventor): NAGAOKA KEISHIN (JP); TAJIMA MASAYA (JP); AWATA
YOSHIMASA (JP); KANAZAWA YOSHIKAZU (JP); UEDA TOSHIO (JP)

Priority (No,Kind,Date): EP 94300695 A3 19940131; JP 93288345 A
19931117

Applic (No,Kind,Date): EP 98203252 A 19940131

Designated States: (National) DE; FR; GB

IPC: * G09G-003/28

Derwent WPI Acc No: * G 95-180899; G 99-048154; G 99-048154

Language of Document: English

Patent (No,Kind,Date): EP 653740 A3 19960626

CONTROLLING THE GRAY SCALE OF PLASMA DISPLAY DEVICES. (English; French;
German)

Patent Assignee: FUJITSU LTD (JP)

Author (Inventor): NAGAOKA KEISHIN (JP); TAJIMA MASAYA (JP); AWATA
YOSHIMASA (JP); KANAZAWA YOSHIKAZU (JP); UEDA TOSHIO (JP)

Priority (No,Kind,Date): JP 93288345 A 19931117

Applic (No,Kind,Date): EP 94300695 A 19940131

Designated States: (National) DE; FR; GB

IPC: * G09G-003/28

Derwent WPI Acc No: * G 95-180899

Language of Document: English

Patent (No,Kind,Date): EP 887785 A3 20000329

CONTROLLING THE GRAY SCALE OF PLASMA DISPLAY DEVICES (English; French;
German)

Patent Assignee: FUJITSU LTD (JP)

Author (Inventor): NAGAOKA KEISHIN (JP); TAJIMA MASAYA (JP); AWATA
YOSHIMASA (JP); KANAZAWA YOSHIKAZU (JP); UEDA TOSHIO (JP)

Priority (No,Kind,Date): EP 94300695 A3 19940131; JP 93288345 A
19931117

Applic (No,Kind,Date): EP 98203252 A 19940131

Designated States: (National) DE; FR; GB

IPC: * G09G-003/28

Derwent WPI Acc No: * G 95-180899; G 99-048154

Language of Document: English

Patent (No,Kind,Date): EP 653740 B1 20000426

CONTROLLING THE GRAY SCALE OF PLASMA DISPLAY DEVICES (English; French;
German)

Patent Assignee: FUJITSU LTD (JP)

Author (Inventor): NAGAOKA KEISHIN (JP); TAJIMA MASAYA (JP); AWATA
YOSHIMASA (JP); KANAZAWA YOSHIKAZU (JP); UEDA TOSHIO (JP)

Priority (No,Kind,Date): JP 93288345 A 19931117

Applic (No,Kind,Date): EP 94300695 A 19940131

Designated States: (National) DE; FR; GB

IPC: * G09G-003/28

Derwent WPI Acc No: * G 95-180899; G 99-048154

Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 653740 P 19931117 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93288345 A 19931117
EP 653740 P 19940131 EP AE EP-APPLICATION

			(EUROPAEISCHE ANMELDUNG)
			EP 94300695 A 19940131
EP 653740	P	19950517	EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			DE FR GB
EP 653740	P	19950517	EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 653740	P	19960626	EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			DE FR GB
EP 653740	P	19960626	EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 653740	P	19961009	EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 960808
EP 653740	P	19970924	EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 970808
EP 653740	P	19981230	EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 887785 P
EP 653740	P	20000426	EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 887785
EP 653740	P	20000426	EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
			DE FR GB
EP 653740	P	20000426	EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 653740	P	20000531	EP REF CORRESPONDS TO: (ENTSPRICHT)
			DE 69424122 P 20000531
EP 653740	P	20000818	EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 653740	P	20010411	EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 887785	P	19931117	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93288345 A 19931117
EP 887785	P	19940131	EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 94300695 A3 19940131
EP 887785	P	19940131	EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 98203252 A 19940131
EP 887785	P	19981230	EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 653740 P
EP 887785	P	19981230	EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			DE FR GB
EP 887785	P	19981230	EP A2 PUBLICATION OF APPLICATION

WITHOUT SEARCH REPORT (VERÖFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)
EP 887785 P 20000329 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

DE FR GB
EP 887785 P 20000329 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VERÖFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 887785 P 20001102 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000904

JAPAN (JP)

Patent (No,Kind,Date): JP 7140928 A2 19950602
METHOD FOR CONTROLLING GRADATION OF PLASMA DISPLAY DEVICE (English)
Patent Assignee: FUJITSU LTD
Author (Inventor): NAGAOKA YOSHIMASA; TAJIMA MASAYA; AWATA YOSHIMASA;
KANAZAWA GIICHI; UEDA TOSHIO
Priority (No,Kind,Date): JP 93288345 A 19931117
Applic (No,Kind,Date): JP 93288345 A 19931117
IPC: * G09G-003/28
Derwent WPI Acc No: * G 95-180899
Language of Document: Japanese
Patent (No,Kind,Date): JP 2856241 B2 19990210
Patent Assignee: FUJITSU LTD
Author (Inventor): NAGAOKA YOSHIMASA; TAJIMA MASAYA; AWATA YOSHIMASA;
KANAZAWA GIICHI; UEDA TOSHIO
Priority (No,Kind,Date): JP 93288345 A 19931117
Applic (No,Kind,Date): JP 93288345 A 19931117
IPC: * G09G-003/28; G09G-003/20
Language of Document: Japanese

KOREA, REPUBLIC (KR)

Patent (No,Kind,Date): KR 9700911 B1 19970121
THE CONTROLLING METHOD OF THE GRAY SCALE IN A PLASMA DISPLAY DEVICES
AND THE SAME APPARATUS (English)
Patent Assignee: FUJITSU LTD (JP)
Author (Inventor): NAGAOKA GEISHIN (JP); TAJIMA MASAYA (JP); AWATA
YOSHIMASA (JP); KANAZAWA YOSHIKAZU (JP); UEDA TOSHIO (JP)
Priority (No,Kind,Date): JP 93288345 A 19931117
Applic (No,Kind,Date): KR 941769 A 19940131
IPC: * G09G-003/28
Derwent WPI Acc No: * G 95-180899
Language of Document: Korean

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5943032 A 19990824
METHOD AND APPARATUS FOR CONTROLLING THE GRAY SCALE OF PLASMA DISPLAY
DEVICE (English)
Patent Assignee: FUJITSU LTD (JP)
Author (Inventor): NAGAOKA KEISHIN (JP); TAJIMA MASAYA (JP); AWATA
YOSHIMASA (JP); KANAZAWA YOSHIKAZU (JP); UEDA TOSHIO (JP)
Priority (No,Kind,Date): US 488201 A 19950607; JP 93288345 A
19931117; US 188772 B2 19940131
Applic (No,Kind,Date): US 488201 A 19950607
National Class: * 345063000; 345147000
IPC: * G09G-003/28; G09G-005/10
Derwent WPI Acc No: * G 95-180899; G 99-048154
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
US 5943032 P 19931117 US AA PRIORITY (PATENT)
JP 93288345 A 19931117

US 5943032 P 40131 US AA PRIORITY
US 188772 B2 19940131
US 5943032 P 19950607 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 488201 A 19950607
US 5943032 P 19990824 US A PATENT

Patent #5943032

1/1 LGST (1/1) - (C) LEGSTAT

PN - US 5943032 [US5943032]

AP - US 488201/95 19950607 [1995US-0488201]

DT - US-P

ACT - 19950607 US/AE-A

APPLICATION DATA (PATENT)

{US 488201/95 19950607 [1995US-0488201]}

- 19990824 US/A

PATENT

UP - 1999-40

LEVEL 1 OF 1 PATENT

5,943,032

<=2> GET 1st DRAWING SHEET OF 14

Aug. 24, 1999

Method and apparatus for controlling the gray scale of
plasma display device

REISSUE: Reissue Application filed Aug. 24, 2001 (O.G. Nov. 27, 2001) Ex. Gp.:
2675; Re. S.N. 09/938,303

CORE TERMS: display, subframe, plasma, electrode, brightness, gray, denote,
emission, pulse, gray scale...

LEXIS-NEXIS
Library: PATENT
File: ALL

Your search request has found no CASES.

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What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5943032 OR 5,943,032

LEXIS-NEXIS
Library: NEWS
File: CURNWS

Your search request has found no STORIES.

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To enter a new search request, type it and press the ENTER key.

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For further explanation, press the H key (for HELP) and then the ENTER key.